

DWA-BMZ-GTZ Symposium
“New sanitation concepts (ecosan) –
international project experiences and
strategies for up-scaling”
26.-27. October 2006

Place: Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ) GmbH,
 Main building (Haus 1), Auditorium
 Dag Hammarskjöld-Weg 1-5; 65726 Eschborn, Germany

Contact: Christine Werner, BMZ-GTZ-ecosan-program
 Tel: ++49-6196-79-4221 * Mobil: ++49-151-1426 4689 * Fax: ++49-6196-79-7458

Time	Topic	Language
	Thursday, 26 Oct 2006 Facilitator: Prof. Dr. H. Hahn	
09:00-10:00	Registration	
10:00-11:00	Opening Welcome Address [Dr. Andreas Kuck, GTZ (Deutsche Gesellschaft für Technische Zusammenarbeit GmbH)] Keynote Address [Dr. Uschi Eid (MdP), Acting Chair, UN-Secretary General's Advisory Board on Water and Sanitation] ecosan in German development cooperation [Martin Kipping, BMZ (German Ministry for Development Cooperation)] DWA – expert group on new sanitation concepts [Prof. Dr. H. Hahn, DWA (German Association for Water, Wastewater and Waste)] ecosan in the State of Hessen – potential and perspectives [Dr. Wenzel-Mayer, Hessian Ministry for the Environment, Rural Development. and Consumer Protection] Research on innovative sanitation systems [NN, BMBF (German Ministry for Education and Research) EC - initiatives to support innovative sanitation systems to achieve the MDGs [Dr. Zissimos Vergos, European Commission]	German / English
	Ecosan – Projects in North and South	
11:00-11:20	Overview on the global development of ecosan [Dr. Arne Panesar, GTZ] - Introduction, guidelines, technologies and financing	German
11:20-11:40	China-Sweden-ERDOS-Eco-Town-Project, China [Prof. Dr. Zhu Qiang,, Senior Advisor] - 3.000 inhabitants in urban flats, urine diversion dehydration toilets, agricultural use	English
Coffee		
12:00-12:20	DEUS21 (Dezentrale Urbane Infrastruktur Systeme), Knittlingen [Prof. Dr. W. Trösch, Fraunhofer Institut] - New development area for 100 households with rainwater collection and use, vacuum sewer systems, and anaerobic waste water purification with P-and N-recycling	German
12:20-12:40	A city-wide urban ecosan-concept for Cagayan de Oro, Philippines [Analiza Miso & Dr. Robert Holmer, Xavier University, Mindanao, Philippines] - waste reuse policy; GIS & urban planning; tax incentives for urban agriculture; solutions for schools, eco-tourism, squatters, and down town settings	English
12:40-13:00	Biomass production and energy plantations [Mirko Hänel, TTZ (Technologie-Transfer-Zentrum Bremerhaven)] - Experiences from several model projects.	German
Lunch		

Programme DRAFT

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	Thursday, 26 Oct 2006 Facilitator: Dr. Volker Karl	
14:00-14:20	EU-Project: NETSSAF (Network for the development of sustainable sanitation approaches for large scale implementations in Africa) [<i>Prof. Ralf Otterpohl, TUHH (Technical University Hamburg-Harburg) / Mirko Hänel, TTZ (Technologie-Transfer-Zentrum Bremerhaven)</i>]	German
14:20-14:40	ecosan projects of the Innovative Ecological Sanitation Network, India [<i>Dayanand Panse, IWWA (Indian Water Works Association)</i>]	English
14:40-15:00	ecosan in Norway and Norwegian development co-operation [<i>Prof. Dr. Petter Jenssen, UMB (Norwegian University of Life Sciences)</i>]	English
15:00-15:20	ecosan in Swedish development co-operation [<i>Dr. Arno Rosemarin, SEI, Stockholm Environmental Institute</i>]	English
15:20-15:45	ecosan project experiences in the German development cooperation –examples, constraints and potentials [<i>Dipl.-Ing. Christine Werner, GTZ</i>]	German
Coffee		
	ecosan panel-discussion	
16:15-18:15	Panel-discussion “What is needed to enable German and international large scale implementation of ecosan? “ Short statements of the panellists (each 5-10 min) on “potentials and constraints” ... from a development cooperation perspective [<i>Martin Kipping, BMZ</i>] ... from a development bank perspective [<i>Dr. Volker Karl, KFW, German Development Bank</i>] ... from an emerging countries perspective [<i>Prof. Zhu Qiang, EETP, China and Dayanand Panse, IWWA, India</i>] ... from an education and capacity building perspective [<i>Prof. Herrmann H. Hahn (DWA, President)</i>] ... from an applied research perspective [<i>Prof. Petter Jenssen, UMB</i>] ... from a business perspective [<i>Hans Huber, Huber-Company</i>] Facilitator: NN Open discussion (60-90 min)	English
Dinner	ecosan expert talks and joint dinner, from 20h	
	Friday, 27 Oct 2006 Facilitator: Dr. Andreas Kuck (GTZ)	
8:30-9:00	Registration	German
9:00-9:20	EU-MEDA-Water Project: Zer0-M - Sustainable Concepts towards a Zero Outflow Municipality [<i>Dipl. Ing. M. Regelsberger, Austria</i>]	German
9:20-9:40	Berlin – EU-Demonstration project [<i>Dr. Anton Peter-Fröhlich – Berliner Wasserbetriebe</i>] - Sanitation concepts for separate treatment of greywater as well as of urine and faeces originating from gravity and vacuum separation toilets	German
9:40-10:00	Shanghai (China) - Project Expo 2010. [<i>Dr. Zhiqiang Li & Dipl.-Ing. Ulf Rakelmann, HSE (Hamburger Stadtentwässerung)</i>] - Integrated project with vacuum-sanitation system, biogas production and nutrient recycling for 20.000 inhabitants on Chongming Island, Shanghai	German
10:00-10:15	Information on the excursion programme	German
Coffee		
10:30-11:00	Frankfurt - ecosan demonstration project in the head-quarters of the German development bank (KFW) [<i>Georg Kraft/Lorenz Szyperski, KfW Bankengruppe</i>] - vacuum toilets, grey water recycling, potential for biogas production	German
11:00-11:30	Eschborn - ecosan demonstration project at the head-quarters of the GTZ [<i>Dipl.-Ing. Christine Werner, GTZ</i>] - Waterborne urine diversion, research on treatment and agricultural reuse of urine and brown water	German
	Closure of the Symposium	German
Lunch		
	Excursion to the KFW and GTZ ecosan Projects	
12:30-15:00	In alternating groups; with bus-transport to the KFW-Building	German